

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 09/540,475 Filed/Issue Date: March 31, 2000

Entitled: PRECODING FOR A NON-LINEAR CODEC

Agere Systems Inc. , a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %).

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

ORI

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Inventory To: Lucent Technologies Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel 010960, Frame 0460 or for which a copy thereof is attached.

2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.
The document was recorded in the United States Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel , Frame , or for which a copy thereof is attached.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP

The undersigned, (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature
J. Joel Justiss

September 28, 2007

Date

Telephone Number

Printed or Typed Name

Attorney for Applicant

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 19, 2000

PTAS

DOCKET ADMINISTRATOR

MARK A. KURISKO

3C-512

600 MOUNTAIN AVENUE, P.O. BOX 636
MURRAY HILL, NJ 07974-0636



101422756A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/27/2000

REEL/FRAME: 010960/0460
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DAGDEVIREN, NURI RUHI

DOC DATE: 07/13/2000

ASSIGNEE:
LUCENT TECHNOLOGIES INC.
600 MOUNTAIN AVENUE, P.O. BOX 636
MURRAY HILL, NEW JERSEY 07974-0636

SERIAL NUMBER: 09540475
PATENT NUMBER:

FILING DATE: 03/31/2000
ISSUE DATE:

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



08-04-2000

PATENT ONLY

DEPARTMENT OF COMMERCE
Patent and Trademark Office

RE:

101422756

PATENTS ONLY

7/27/00
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

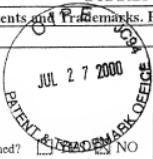
Nuri Ruh Dagdeviren

Additional name(s) of conveying party(ies) attached? NO

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: July 13, 2000



2. Name and address of receiving party(ies):

Name: Lucent Technologies Inc.

Internal Address: _____

Street Address: 600 Mountain Avenue

P. O. Box 636

City: State: ZIP: Murray Hill, NJ 07974-0636

Additional name(s) & address(es) attached? YES NO

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application Number(s) 09/540475 B. Patent Number(s) _____

Additional number(s) attached? YES NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Administrator

Internal Address: 3C-512

Street Address: 600 Mountain Avenue

P. O. Box 636

City: State: ZIP: Murray Hill, NJ 07974-0636

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account.)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark A. Kurisko

Name of Person Signing

Signature

Date

Registration No. 30058 38944

Total number of pages including cover sheet, attachments, and document: 23

CASE: N. Dagdeviren 18

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

08/01/2000 WKD/RWMA 00000030 122325 09540475

02 FC:581

40.00 CH

ASSIGNMENT AND AGREEMENT

For value received, I, Nuri R Dagdeviren, of Holmdel in the County of Monmouth and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Precoding for a non-Linear Codec** described in an application for Letters Patent of the United States, Serial No. 09/540475, filed March 31, 2000, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

I agree that, when requested, I shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Nuri R Dagdeviren

Date: 7/13/00

United States of America)

State of New Jersey) ss.:

County of Morris)

On this 13 day of July, 2000, before me personally came, Nuri R Dagdeviren to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Aristea Cianchetta
Notary Public

ARISTEA CIANCHETTA
Notary Public of New Jersey
My Commission Expires 12/27/2004

Lucent Technologies Inc.
600 Mountain Avenue (Room 3C-512)
P. O. Box 636
Murray Hill, New Jersey 07974-0636

EXECUTION COPY

PATENT ASSIGNMENT

by and between

LUCENT TECHNOLOGIES INC.

and

AGERE SYSTEMS GUARDIAN CORP.

Dated as of January 30, 2001

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

R E C I T A L S

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By: 

Daniel P. McCurdy
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By: 

Fred M. Romano
President

ACKNOWLEDGMENTS

STATE OF NEW JERSEY) : ss:
COUNTY OF SOMERSET)

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:
 a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and
 b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.

Tamara Anne Hanna

Name **TAMORA ANNE HANNA**
 Notary Public **Notary Public of New Jersey**
 My Commission Expires **Registered in Hunterdon County**
 [Notarial Seal] **My Commission Expires March 25, 2002**

STATE OF FLORIDA) : ss:
COUNTY OF ORANGE)

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:
 a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and
 b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.

Mary V. Carter

Name **MARY V. CARTER**
 Notary Public
 My Commission Expires:
 [Notarial Seal]



APPENDIX B (continued)
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Curtin 14	5/10/2000			09/568017
Curtin 15	5/18/2000			09/573393
Curtin 2	3/2/1998	8/8/2000	09/150582	6101469
Curtin 4	9/10/1998		6097285	09/277317
Curtin 7	3/26/1999	8/1/2000		09/322238
Curtin 8	5/28/1999			09/595242
Curtin 9	6/16/2000			
Cuthbert 16-4	9/29/1997		08/939422	09/356638
Cuthbert 20	7/19/1999			09/409115
Cuthbert 21-3	9/30/1999			09/484310
Cwynar 8-26-1-6-2	1/18/2000		09/640329	
Dabbagh 2-7-8-20	8/15/2000			09/263173
Dacy 1-3	3/5/1999		09/015568	
Dagdeviren 14	1/30/1998			09/540475
Dagdeviren 18	3/31/2000			60/169961
Dagdeviren 19	12/9/1999			
Dagdeviren 20	7/21/2000		09/621116	
Dagdeviren 21	7/21/2000		09/620938	09/416625
Dale 1-1	10/12/1999			
Dang 1-13-1	9/11/1998		09/151659	09/417509
Dangelmayer 3-16-1	10/14/1999			09/203842
D'Arcy 12-1-13-2-5-1	12/2/1998			
D'Arcy 2-1-1-1	12/16/1997	4/11/2000	08/997117 6048751	09/734262
D'Asaro 23-28-5-2-21	12/13/1995			09/362692
Dautartas 46-33-41-33-18	6/16/1999			09/362692
Dautartas 49-4-8-49-24-5	7/29/1999			09/326200
Dautartas 50	6/4/1999			09/327793
Dautartas 53-16	6/9/1999			09/343286
Dautartas 54	6/30/1999			09/285920
Davies 7-3	4/2/1999			09/394097
Davis 11-16-8	9/13/1999			
Davis 21	7/26/2000		09/625871	
Davis 22	7/26/2000		09/626221	
Davis 5-2-7-18-3	4/10/1998			09/058203
Davis 6-9-5	9/13/1999		09/641899	
Davison 3-5-18	8/18/2000			09/397449
Day 1	9/16/1999			09/397632
Day 2	9/15/1999			
Dayal 1-6-2	5/11/1998		09/075065	09/504749
Dayal 4	2/16/2000			09/372859
Dayoub 1-1-2-1	8/12/1999			
DeBusk 1	9/5/1997		08/924268	09/205414
DeBusk 3-9-57-1	12/2/1998			60/115768
DeBusk 4-1	1/13/1999			09/324696
DeBusk 5	6/2/1999			09/350589
DeBusk 6	7/9/1999			09/197619
Decker 12-30	11/23/1998			
Decker 1-2-6	8/19/1998		09/138741 6110576	09/173502
Decker 7-24	10/16/1998	8/29/2000		09/235011
Defelice 1-1-2	1/21/1999		6077725	
Degani 12-6-25	9/3/1992	6/20/2000	08/655667	
Degani 33-22-11	5/14/1997		09/081448	
Degani 42-26-58	5/19/1998		09/120148	
Degani 43-20-3	7/21/1998		09/149804	
Degani 44-28-21-59	9/8/1998		09/149803	
Degani 45-30-22-60	9/8/1998			09/172467
Degani 46-4	10/14/1998			09/238706
Degani 47-9	1/28/1999	6/13/2000	6074897	09/346100
Degani 49-32-24	7/1/1999			09/425706
Degani 52-34-67	10/22/1999			

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

3268412 8100M

020545223

AUTHENTICATION: 1959517

DATE: 08-29-02

CERTIFICATE OF OWNERSHIP AND MERGER

OF

Agere Systems Guardian Corp.
(a Delaware corporation)

INTO

Agere Systems Inc.
(a Delaware corporation)

UNDER SECTION 253 OF THE GENERAL
CORPORATION LAW OF THE STATE OF DELAWARE

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

FIRST: The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

SECOND: On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

RESOLVED that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

THIRD: That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

AGERE SYSTEMS INC.

By Paul Bento
Paul Bento, Vice President